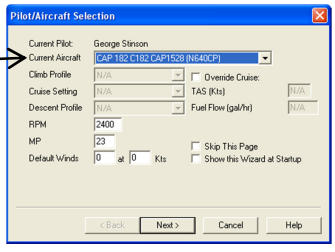
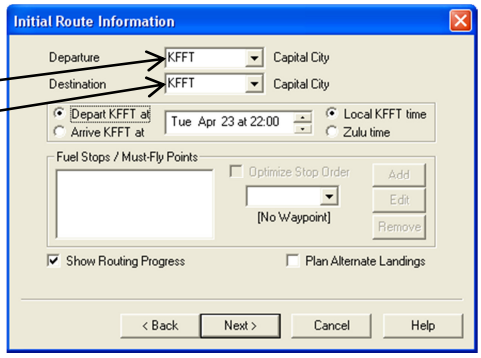
CAP Kentucky Wing
Locating Photo Site Coordinates Using Google Earth
And
Planning a Photo Sortie Using Jeppesen FliteStar

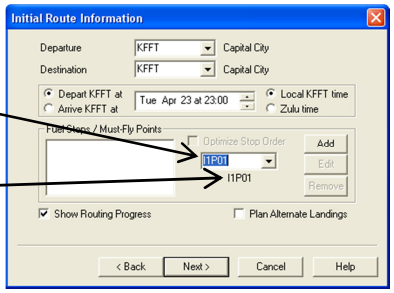
1. Delete all the existing locations in the Google Earth ***My*** Places folder as follows:
    a. Select the first location in the ***My*** Places folder
    b. Press the ***Delete*** key
    c. Press the ***Enter*** key to confirm the deletion
    d. Continue Steps b & c until all the existing locations are removed from the ***My Places*** folder
2. Locate photo sites using Google Earth. A web search using Google or Bing might be needed to help locate some places
3. Mark each location as it is found using the following procedure:
    a. Click the ***Add Placemark*** button (the yellow pushpin) on the Google Earth toolbar. This will place a pushpin in the center of the Google Earth window. Drag the pushpin so its crosshairs are over the desired photo site.
    b. In the ***New Placemark*** window that appears, change the name from "Untitled Placemark" to the name of the photo site as specified in the photo mission tasking. The photo site name must be the exact name specified in the photo request list from the customer. If an electronic version of the photo site list is available, you may copy and paste the site name into the ***Name*** text box of the Google Earth ***Edit Placemark*** window.
    c. Click the ***OK*** button in the ***New Placemark*** window. The window will close and the photo site name will appear in the ***My Places*** list in the Google Earth ***Places*** window.
    d. Continue this process until all photo sites are located, marked, and appear in the ***My Places*** list.
4. In the ***Places*** window of Google Earth, click on ***My Places*** to select it.
5. On the Google menu, Click ***File***, ***Save***, ***Save Place As…***
6. Change the file name to the name of the Incident.
7. Change the ***Save In*** location to the folder in which you wish to save the file
8. Change the ***Save as type*** dropdown to ***Kml (*.kml)***
9. Open the ***Convert KML File*** Excel workbook and follow the directions on the ***Instructions*** worksheet. A file of user waypoints for Jeppesen FliteStar will be created named ***MarkersInn.ini***.
10. During the conversion process, either specify the Jeppesen FliteStar folder as the storage location for the Markers file or store it in some other location and move or copy it to the Jeppesen FliteStar folder using Windows Explorer.
11. Open Jeppesen FliteStar. Start the RouteWizard by clicking the wizard's hat  in the upper left corner of the screen.
12. In the ***Pilot/Aircraft*** Selection window, choose the proper aircraft in the ***Current Aircraft*** dropdown.

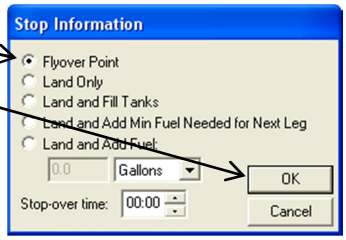


13. On the ***Initial Route*** Information window, enter the Departure and destination of the photo aircraft in the ***Departure*** and ***Destination*** dropdown windows. Use the ICAO prefix "K" for the airport identifiers. The city and state of the airports may also be entered. The airport identifier will be entered directly or, in locations with multiple airports, a listing of airports located in the city and state may be shown by pressing **[TAB]** and the proper airport can be selected from the list.

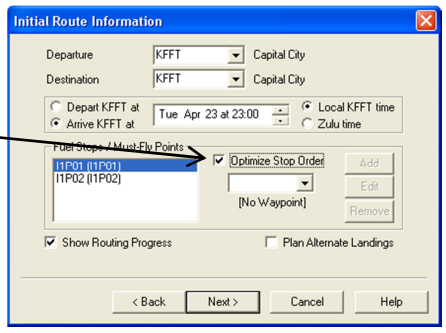


14. In the field to the right of the ***Fuel Stops / Must-Fly Points*** window, enter the Site Identifier of the first photo site. If it is entered correctly, the identifier will show under the window. Click the ***Add*** to add the photo site to the ***Fuel Stops / Must-Fly Points*** window.
15. The ***Stop Information*** will appear. ***Flyover Point*** should already be selected. Click ***OK*** to accept the waypoint as a flyover point.

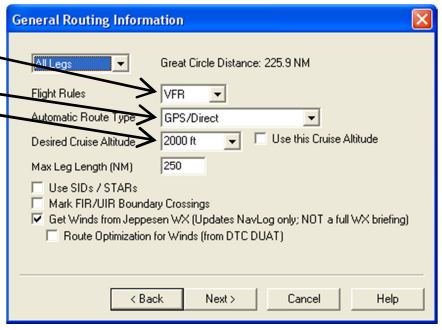




16. Continue entering the photo site identifiers as specified in Steps 14 & 15. After the second photo site identifier is added, the ***Optimize Stop Order*** check box will become active. Check the box to allow FliteStar to plan the most efficient route to cover all of the photo sites. Click the ***Next*** when all the photo sites are entered as waypoints.

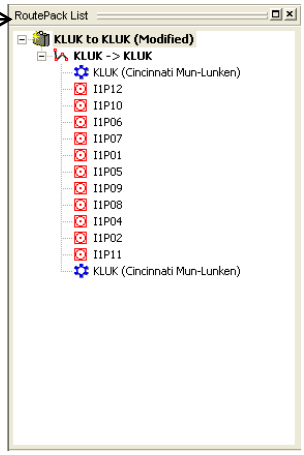


17. The ***General Routing Information*** window will appear. Select ***VFR*** in the ***Flight Rules*** dropdown, ***GPS/Direct*** in the ***Automatic Route Type*** dropdown, and your best estimate of the 1,000 AGL altitude in the ***Desired Cruise Altitude*** window. Then click ***Next***.

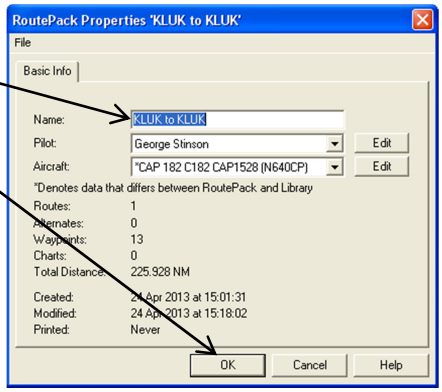


18. Click ***Next*** in the ***Fuel Planning*** window without changing any values.
19. Click ***Next*** in the ***GPS Direct*** window without changing any values.
20. Click ***Finish*** in the ***Route-Around Options*** window without changing any values. The completed route will show in the ***RoutePack List*** window located on the upper left.

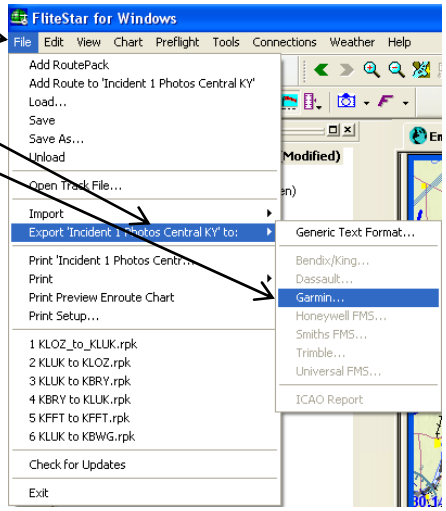
21. Right Click the very top line of the RoutePack List. Select ***Properties*** from the menu that appears.



22. In the ***RoutePack*** Properties window, change the name to the Incident Number and Incident Name. Then click ***OK***.



23. Right click the top line of the RoutePack list once again. Click ***Save*** on the pop-up menu to save the RoutePack for future use.
24. If the photo mission is being flown in a G1000 aircraft with flight plan importing capabilities, perform steps 25 through 28 below. Otherwise, skip to Step 29.
25. Click ***File*** on the FliteStar menu.
26. On the pop-up menu, point to ***Export ' [RoutePack name] to:***
27. On the next pop-up menu, point to ***Garmin…***
28. In the ***Choose an output file name*** window that pops up, enter the same name that was entered in the ***RoutePack Properties*** window above and navigate to the folder in which you want to save the flight plan file. The flight plan file may be stored on the computer's hard drive for later writing to an SD card (recommended), or may written directly to an SD card.



29. On the index tabs above the FliteStar chart window, click ***Reports***.

30. Make sure the ***Nav Log*** 

button in the bottom left corner of the screen is selected.
31. Click the print button on the FliteStar toolbar to print a copy of the Nav Log for use by the air crew.
32. Combine the Tasking Order, the Nav Log, the Photo Site Log Sheet, and the SD card(if used) into a tasking package for delivery to the Operations Section.